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10/510541  
DT04 Rec'd PCT/PTO 07 OCT 2004  
PATENT

Attorney's Docket No. BOV-4173/BO-3984

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Bonner et al.

Serial No.:

Group No.:

Filed:

Examiner:

for:

**Abrasive Articles With Novel Structures and Methods For Grinding**

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

<b>CERTIFICATE OF MAILING</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
on <u>October 7, 2004</u> Date	<u>Suzanne G. Gendreau</u> Signature
____ Suzanne G. Gendreau _____	

**INFORMATION DISCLOSURE STATEMENT**

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:  
☐ a Statement under 37 CFR 1.97(e), as checked below, or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:  
☐ a Statement under 37 CFR 1.97(e), as checked below, and  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
  - ☐ Copies of the cited references are enclosed.
  - ☒ Copies of cited references are enclosed except those entered in prior application, U.S. Application No. [10/120,969, 10/328,802 and 10/668,531] to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
  - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
  - ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
    - ☐ the explanation provided on the attached sheet.
    - ☐ the explanation provided in the Specification.
    - ☐ submission of the enclosed International Search Report.
    - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
    - ☐ the enclosed English language abstract.

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- ☐ Applicant requests that the following non-published pending applications be considered:

Examiners  
Initials

U.S. Patent Application No. 10/145,367 by [inventor(s)], filed 5/14/2002 Docket No D-4057

U.S. Patent Application No. by [inventor(s)], filed Docket No

U.S. Patent Application No. by [inventor(s)], filed Docket No

Examiner

Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

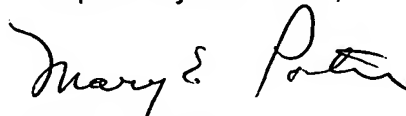
The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 14-1400 in the amount of \$ [ ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 14-1400.

Respectfully submitted,



Mary E. Porter  
Attorney for Applicants  
Registration No. 33,440  
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Fax Number 508-795-2653

Date: 10-7-04

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## Section 2. Form PTO - 1449 (Modified)

FORM PTO-1449  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

ATTY. DOCKET NO.  
BOV-4173/BO-3984

SERIAL NO.  
10/510541

APPLICANT Bonner et al.

FILING DATE

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE If appropriate
	2,194,472	3/26/40	Jackson	51	185	
	2,216,728	10/8/40	Benner et al.	51	280	
	3,048,482	8/7/62	Hurst	51	298 R	
	3,955,324	5/11/76	Lindstrom	51	298	
	3,982,359	9/28/76	Elbel et al.	51	295	
	4,024,675	5/24/77	Naidich et al	51	296	
	4,311,489	1/19/82	Kressner	51	298	
	4,541,842	9/17/85	Rostoker	51	296	
	4,652,275	3/24/87	Bloecher et al.	51	298	
	4,799,939	1/24/89	Bloecher et al.	51	293	
	5,039,311	8/13/91	Bloecher	51	295	
	5,273,558	12/28/93	Nelson et al.	51	298	
	5,489,204	2/6/96	Conwell et al.	432	153	
	5,651,729	7/29/97	Benguerel	451	541	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	491659	9/6/38	GB	Unknown			
	1418730	12/24/75	GB	B24D	3/00		
	96/10471	4/11/96	WO	B24D	3/28		
	98/03306	1/29/98	WO	B24D	3/28		
	00/51788	9/8/00	WO	B24D	3/00		
	01/04227	1/18/01	WO	C09G			

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)


EXAMINER

DATE CONSIDERED

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE If appropriate
	5,738,695	4/14/98	Harmer et al.	51	295	
	5,738,696	4/14/98	Wu	51	296	
	5,738,697	4/14/98	Wu et al.	51	296	
	5,849,052	12/15/98	Barber, Jr.	51	298	
	5,863,308	1/26/99	Qi et al.	51	309	
	5,975,988	11/2/99	Christianson	451	28	
	6,086,467	7/11/00	Imai et al.	451	541	
	6,217,413	4/17/01	Christianson	451	28	
	6,319,108	11/20/01	Adefris et al.	451	533	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE If appropriate
	1,983,082	12/4/34	Howe et al.	51	278	
	3,916,584	11/4/75	Howard et al.	51	308	
	4,393,021	7/12/83	Eisenberg et al.	264	143	
	4,575,384	3/11/86	Licht et al.	51	308	
	5,127,197	7/7/92	Bruckvoort et al.	51	204	
	5,129,189	7/14/92	Wetscher	51	296	
	5,500,273	3/19/96	Holmes et al.	428	147	
	6,136,288	10/24/00	Bauer et al.	423	625	
	6,354,929 B1	3/12/02	Adefris et al.	451	527	

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	1,228,319	15.04.71	GB	B24d	7/02		
	01/83166A1	8.11.01	WO	B24B	7/24		
	01/85393A1	15.11.01	WO	B24D	3/18		
	02/28802A2	11.04.02	WO	CO4B	35/00		

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)


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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE If appropriate
	4,239,503	12/1980	Harris et al.	51	298	
	4,486,200	12/4/84	Heyer et al.	51	295	
	4,671,017	6/9/87	Ideue et al.	51	49	
	5,096,465	03/1992	Chen et al.	51	295	
	5,131,926	07/1992	Rostoker et al.	51	309	
	5,178,644	1/12/93	Huzinec	51	293	
	5,203,886	4/20/93	Sheldon et al.	51	309	
	5,429,648	07/1995	Wu, Mianxue	51	296	
	5,607,489	03/1997	Li, Rounan	51	309	
	5,651,801	7/29/97	Monroe et al.	51	309	
	6,074,278	06/2000	Wu et al.	451	28	
	6,086,648	7/11/00	Rossetti, Jr. et al.	51	304	
	6,394,888	05/2002	Matsumoto et al.	451	548	

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